

REMARKS

Upon entry of this Amendment, claim 16 is amended and claims 1-20 remain pending in this application.

eIDS

Applicants would like to call the Examiner's attention to the copies of the electronic information disclosure statements ("eIDS") attached to this Amendment. Applicants filed the attached eIDS' on June 19, 2003, July 28, 2003, and October 15, 2003, respectively. Copies of the acknowledgement receipts from the USPTO for these eIDS' are also attached for the Examiner's reference. We did not receive initialed copies of these eIDS' or any indication that the Examiner had seen the references cited on them in the Office Action issued by the Examiner. Applicants are concerned that these eIDS' did not get matched up with the correct file and thus submit copies of the eIDS' previously submitted with this Amendment in order to ensure full consideration by the Examiner.

Drawings

The Examiner has indicated on the Office Action summary that the drawings are objected to, but provides no basis or explanation for this objection in the remainder of the Office Action. Applicants are uncertain how to answer the Examiner's objections. Applicants ask that the Examiner please clarify the basis for the objection to the drawings in the next action so that the Applicants may appropriately correct the drawings to overcome the Examiner's rejections.

Claim Rejections – 35 U.S.C. §102

The Examiner rejects claims 1, 2, 4, 8, 9, 11, 14, and 16-19 under 35 U.S.C. 102(b) as being anticipated by Sikes (U.S. Patent No. 5,018,213). Applicants respectfully disagree.

The Examiner states that Sikes discloses a camera assembly having image processing hardware positioned within the housing and points to col. 3, line 59 – col. 4, line 35 of the Sikes specification as support. With reference to Fig. 1 and col. 3, line 59 – col. 4, line 35 of the Sikes specification, Sikes does not teach or suggest a camera assembly having image processing hardware positioned within the same housing as the image sensor, light source, and optics assembly, as required by Applicants' claim 1. The image sensor used by Sikes is the video camera 116. As stated in the Sikes specification, the "image data generated by the camera in acquiring the image is coupled to the control circuitry within the enclosure 64 which analyzes the image data to extract registration information." See col. 4, lines 29-33. As illustrated in Fig. 1, the video camera 116 of Sikes that acquires the image of the printed web is spaced from the enclosure 64 and is not contained within the same housing, as recited in claim 1 of the present application. Thus, Sikes does not teach or suggest a camera assembly having a housing that contains the image sensor, the light source, the optics, and the image processing hardware, as recited in claim 1. Applicants respectfully submit that claim 1 is allowable over the Sikes reference.

Claims 2-9 depend from independent claim 1 and are allowable for the reasons discussed above with respect to claim 1, as well as for other reasons not discussed herein.

With respect to Applicants' claim 11, as the image processing hardware of Sikes is housed within closure 64, separate from the camera 116. As discussed above

with respect to claim 1, Sikes therefore does not teach or suggest a camera assembly having a housing that contains the camera, the light source, the optics, and the image processing hardware, as required by Applicants' claim 11. Applicants respectfully submit that claim 11 is allowable over the Sikes reference.

With respect to Applicants' claim 14, the image processing hardware of Sikes is housed within enclosure 64, separate from the camera 116. As discussed above with respect to claim 1, Sikes therefore does not teach or suggest a camera assembly for use in determining color registration error having a housing that contains the camera, the light source, the optics, and the image processing hardware, as required by Applicants' claim 14. Applicants respectfully submit that claim 14 is allowable over the Sikes reference.

With respect to Applicants' amended claim 16, the image processing hardware of Sikes is housed within enclosure 64, separate from the camera 116. Similar to the discussion above with respect to claim 1, Sikes therefore does not teach or suggest a method of determining color registration error including providing a camera enclosure having mounted therein a scanner and image processing hardware, as required by Applicants' claim 16. Applicants respectfully submit that claim 16 is allowable over the Sikes reference.

With respect to Applicants' claim 17, the image processing hardware of Sikes is housed within enclosure 64, separate from the camera 116. Similar to the discussion above for claim 1, Sikes therefore does not teach or suggest a method of determining color register error including scanning the printed paper substrate with a camera assembly having a scanner and image processing hardware within the same housing, as is recited by claim 17. Applicants respectfully submit that claim 17 is allowable over the Sikes reference.

With respect to Applicants' claim 18, the image processing hardware of Sikes is housed within enclosure 64, separate from the camera 116. As discussed above with respect to claim 1, Sikes therefore does not teach or suggest a camera assembly for use in determining color registration error having a housing that contains the camera, the light source, the optics, and the image processing hardware, as required by Applicants' claim 18. Applicants respectfully submit that independent claim 18 is allowable over the Sikes reference.

Claims 19 and 20 depend from independent claim 18 and are allowable for the reasons discussed above with respect to claim 18, as well as for other reasons not discussed herein.

Claim Rejections – 35 U.S.C. §103

The Examiner rejects claims 3, 5, 6, 7, 10, 12, 13, 15, and 20 under 35 U.S.C. 103(a) as being unpatentable over Sikes in view of Miyauchi et al. (U.S. Patent No. 6,456,733).

Dependent claims 3, 5, 6, and 7 depend from independent claim 1, and dependent claim 20 depends from independent claim 18, and are thus allowable for the reasons discussed above with respect to claims 1 and 18, respectively, as well as for other reasons not discussed herein.

The Examiner states that analogous arguments to those presented for claims 1 and 7 are applicable to claim 10. As discussed above with respect to claim 1, Sikes does not teach or suggest a camera assembly having a housing that contains the camera and the image processing hardware, as recited in claim 10, as the image processing hardware of Sikes is housed within enclosure 64, separate from the camera 116.

Miyauchi et al. does not correct the deficiencies of Sikes. Miyauchi et al. discloses an image inspection apparatus having an image reading section 2 and a judgment section 4. The image reading section 2 includes a light emitting diode 21 as a light source, an optics assembly (including lenses 22, 32 and mirror 23) and photodiodes 21 for receiving reflected light from the surface of the printed web. With reference to Fig. 1 of Miyauchi et al., the judgment section 4 is spaced from the image reading section 2, and includes components to store reference image data and compare signals output by a converter with the reference image data stored in memory, and determines whether the output signals are within acceptable ranges. Miyauchi et al. does not teach or suggest a camera assembly having a housing that contains the camera and the image processing hardware, as recited in claim 10. Applicants respectfully submit that claim 10 is allowable over the Sikes and Miyauchi et al references.

With respect to Applicants' claim 12, the Examiner states that arguments analogous to those presented for claims 1, 2, and 7 are applicable to claim 12. As discussed above with respect to claims 1 and 10, Sikes does not teach or suggest a camera assembly having a housing that contains the camera, the image processing hardware, and the digital interface as recited in claim 12, as the image processing hardware of Sikes is housed within enclosure 64, separate from the camera 116. Miyauchi et al does not correct the defects of Sikes. The arguments above with respect to claims 1 and 10 apply with equal force to claim 12.

With respect to Applicants' claim 13, the Examiner states that arguments analogous to those presented for claims 1, 2, and 7 are applicable to claim 13. As discussed above with respect to claims 1 and 10, Sikes does not teach or suggest a camera assembly having a housing that contains the camera, the microprocessor, and



the image processing hardware as recited in claim 13, as the image processing hardware of Sikes is housed within enclosure 64, separate from the camera 116. Miyauchi et al does not correct the defects of Sikes.

With respect to Applicants' claim 15, the Examiner states that analogous arguments to those presented for claims 1 and 7 are applicable to claim 15. As discussed above with respect to claims 1 and 10, Sikes does not teach or suggest a camera assembly having a housing that contains the camera, the microprocessor, and the image processing hardware as recited in claim 15, as the image processing hardware of Sikes is housed within enclosure 64, separate from the camera 116. Miyauchi et al does not correct the defects of Sikes.

In view of the foregoing, entry of the above amendments and allowance of claims 1-20 are respectfully requested.

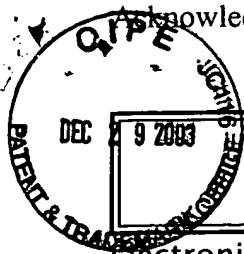
The undersigned is available for telephone consultation at any time.

Respectfully submitted,

Billie Jean Smith
Reg. No. 36,940

File No. 077077-9141-00

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Title of Invention	CAMERA ASSEMBLY FOR A PRINTING PRESS	DEC 31 2003 Technology Center 2600
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Submission Type: Information Disclosure Statement
 Application Number: 10/072742 *10/0;
 EFS ID: 49331

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First Named Applicant: Mark Hansen
 Attorney Docket Number: 077077-9141-00
 Timestamp: 2003-10-15 17:14:50 EDT
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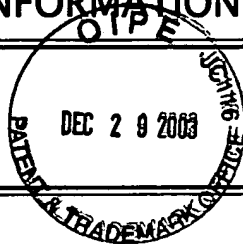
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ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18
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Title of Invention	CAMERA ASSEMBLY FOR A PRINTING PRESS
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Application Number: 10/072742 *10/072742*
 Confirmation Number: 2995
 First Named Applicant: Mark Hansen
 Attorney Docket Number: 077077-9141-00
 Art Unit: 2851
 Examiner: Not Yet Assigned
 Search string: (5797060 or 6009808 or 6129015 or 6295115).pn.

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US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
2/1	1	5797060	1998-08-18	Thompson			
1/1	2	6009808	2000-01-04	Loffler			
1/1	3	6129015	2000-10-10	Dewey			
1/1	4	6295115	2001-09-25	Zhang et al.			

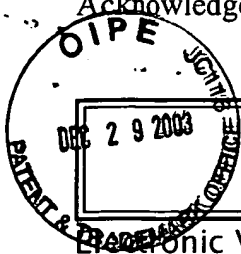
Remarks

Note: Remarks are not for responding to an office action.

Citation of these references is respectfully requested. No concession is made that these documents are prior art, and Applicant expressly reserves the right to antedate the documents as may be appropriate.

Signature

Examiner Name	Date
<i>H. S. FAIRBANKS</i>	3/17/04



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Title of Invention	CAMERA ASSEMBLY FOR A PRINTING PRESS
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 EFS ID: 44364

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First Named Applicant: Mark Hansen
 Attorney Docket Number: 077077-9141-00
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ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18
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Title of Invention	CAMERA ASSEMBLY FOR A PRINTING PRESS
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Application Number: 10/072742
 Confirmation Number: 2995
 First Named Applicant: Mark Hansen
 Attorney Docket Number: 077077-9141-00
 Art Unit: 2851
 Search string: (5018213 or 20020084648 or 20030010235).pn.

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US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
1	1	5018213	1991-05-21	Sikes			

US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
1	1	20020084648	2002-07-04	Pierce-et-al.			
2	2	20030010235	2003-01-16	Siler			

Remarks

Note: Remarks are not for responding to an office action.

Citation of these references is respectfully requested. No concession is made that these documents are prior art, and Applicant expressly reserves the right to antedate the documents as may be appropriate.

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Examiner Name

Date

[Signature]
H. SAFAIPOUR

3/17/04



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Title of Invention	CAMERA ASSEMBLY FOR A PRINTING PRESS
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Submission Type: Information Disclosure Statement

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EFS ID: 42122

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First Named Applicant: Mark Hansen

Attorney Docket Number: 077077914100

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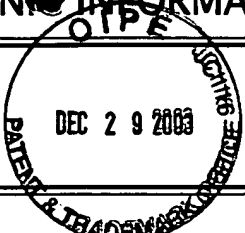
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 First Named Applicant: Mark Hansen
 Attorney Docket Number: 077077-9141-00
 Art Unit: 2851
 Search string: (5585856 or 5724259 or 5946031 or 20020178952).pn.

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US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
X	1	5585856	1996-12-17	Nakaya, et al.			
↓	2	5724259	1998-03-03	Seymour et al.			
↓	3	5946031	1999-08-31	Douglas			

US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

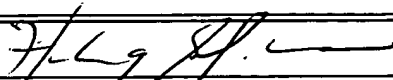
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Remarks

Note: Remarks are not for responding to an office action.

Citation of these references is respectfully requested. No concession is made that these documents are prior art, and Applicant expressly reserves the right to antedate the documents as may be appropriate.

Signature

Examiner Name	Date
 H. SAFAIPOUR	3/17/04